

## **APPENDIX 2**



## Monodispersed Grains for Photographic Films

### “S F Series”

S F series functional organic grains are used for protective layers of photographic films.

These products mainly serve as a blocking agent or a surface coarsening agent for photographic films. S F series features very narrow particle size distribution containing no micrograins, which is the reason for its high transparency. Furthermore, no content of larger grains will sink into silver layers, which guarantees a lower incidence of pin holes after development. These products are also highly dispersible in gelatin.

| Product Name                           | S F - 15                                | S F - 22                                | S F - 30                                | S F - 65                                |
|--|---|---|---|---|
| Characteristic                         |   |   |   |   |
| Appearance                             | White fine powder                       | White fine powder                       | White fine powder                       | White fine powder                       |
| Composition                            | Poly methyl<br>methacrylate<br>(Bridge) | Poly methyl<br>methacrylate<br>(Bridge) | Poly methyl<br>methacrylate<br>(Bridge) | Poly methyl<br>methacrylate<br>(Bridge) |
| Average grain<br>size( $\mu\text{m}$ ) | 1.50                                    | 2.20                                    | 3.00                                    | 6.50                                    |
| Particle size<br>distribution          | 1.30~1.70                               | 1.90~2.50                               | 2.60~8.40                               | 5.80~7.20                               |
| Solvent                                | O                                       | X                                       | O                                       | O                                       |
| Water content                          | 1% or less                              | 1% or less                              | 1% or less                              | 1% or less                              |